

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 1 | (programmable adj pin adj assignment) and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/30 08:42 |
| S1 | 9832 | (pld or fpga or cpld) same (component or cell or element or device) same (contact\$3 or conduct\$5 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) pin or ball or column) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 09:57 |
| S2 | 29 | (pld or fpga or cpld) same (component or cell or element or device) same (contact\$3 or conduct\$5 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) pin or ball or column) same multilayer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/15 16:24 |
| S3 | 58 | (pld or fpga or cpld) same (component or cell or element or device) same (contact\$3 or conduct\$5 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) pin or ball or column) same (multilayer or (plurality near3 layer)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/15 16:24 |
| S4 | 9882 | (pld or fpga or cpld) same (component or cell or element or device) same (contact\$3 or conduct\$5 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 09:57 |
| S5 | 9875 | (pld or fpga or cpld) same (component or cell or element or device) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 09:58 |
| S6 | 769 | (pld or fpga or cpld) same (component or cell or element or device) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 09:59 |
| S7 | 214 | (pld or fpga or cpld) same (component or cell or element or device) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) and rout\$3 and layer and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/22 15:54 |

EAST Search History

| | | | | | | |
|-----|----|---|---|----|----|------------------|
| S8 | 84 | (pld or fpga or cpld) same (component or cell or element or device) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) and rout\$3 and layer and channel and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 10:00 |
| S9 | 12 | (pld or fpga or cpld) same (component or cell or element or device) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) same assign\$5 and rout\$3 and layer and channel and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 10:05 |
| S10 | 27 | (pld or fpga or cpld) same (component or cell or element or device) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) same (assign\$5 or map\$4) and rout\$3 and layer and channel and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 10:45 |
| S11 | 29 | (pld or fpga or cpld) same (component or cell or element or device) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) same (assign\$5 or map\$4) and layer and channel and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 11:03 |
| S12 | 2 | "6388890".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 10:56 |
| S13 | 3 | (pld or fpga or cpld) same (component or cell or element or device) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) same (assign\$5 or map\$4) same layer same channel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 11:02 |
| S14 | 20 | ((pld or fpga or cpld) near3 (component or cell or element or device or asic)) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) same (assign\$5 or map\$4) and layer and channel and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 11:06 |

EAST Search History

| | | | | | | |
|-----|----|--|---|----|----|------------------|
| S15 | 20 | ((pld or fpga or cpld) near3 (component or cell or element or device or asic)) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) same (assign\$5 or map\$4) and layer and channel and ("716"/\$ "174"/\$ "29"/\$).ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 11:31 |
| S16 | 31 | ((pld or fpga or cpld) near3 (component or cell or element or device or asic)) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3) same ("i/o" or (input adj output) or pin or ball or column) same (assign\$5 or map\$4) and ("716"/\$ "174"/\$ "29"/\$).ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 11:32 |
| S17 | 18 | ((pld or fpga or cpld) near3 (component or cell or element or device or asic)) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3) same ("i/o" or (input adj output) or pin or ball or column) same (assign\$5 or map\$4) and (optimiz\$4 or improv\$3) and ("716"/\$ "174"/\$ "29"/\$).ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 11:33 |
| S18 | 23 | ((pld or fpga or cpld) near3 (component or cell or element or device or asic)) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3) same ("i/o" or (input adj output) or pin or ball or column) same (assign\$5 or map\$4) and (optimiz\$4 or improv\$3) and ("716"/\$ "174"/\$ "29"/\$).ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 11:33 |
| S19 | 3 | ((pld or fpga or cpld) near3 (component or cell or element or device or asic)) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3) same ("i/o" or (input adj output) or pin or ball or column) same (assign\$5 or map\$4) same (optimiz\$4 or improv\$3) and ("716"/\$ "174"/\$ "29"/\$).ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 11:56 |

EAST Search History

| | | | | | | |
|-----|-----|--|---|----|----|------------------|
| S20 | 3 | ((pld or fpga or cpld) near3 (component or cell or element or device or asic)) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3) same ("i/o" or (input adj output) or pin or ball or column or matrix) same (assign\$5 or map\$4) same (optimiz\$4 or improv\$3) and ("716"/\$ "174"/\$ "29"/\$).ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 11:59 |
| S21 | 256 | ((pld or fpga or cpld) near3 (component or cell or element or device or asic)) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3) same ("i/o" or (input adj output) or pin or ball or column or matrix) and ("716"/\$ "174"/\$ "29"/\$).ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 13:46 |
| S22 | 60 | ((pld or fpga or cpld) near3 (component or cell or element or device or asic) near3 (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3)) same ("i/o" or (input adj output) or pin or ball or column or matrix) and ("716"/\$ "174"/\$ "29"/\$).ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 12:02 |
| S23 | 48 | ((pld or fpga or cpld) near3 (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3) near3 (component or cell or element or device or asic)) same ("i/o" or (input adj output) or pin or ball or column or matrix) and ("716"/\$ "174"/\$ "29"/\$).ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 12:57 |
| S24 | 0 | (signal near3 rout\$3 near3 device) same (pld or fpga or cpld) same channel same layer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 12:59 |
| S25 | 4 | (signal near3 rout\$3 near3 device) same (pld or fpga or cpld) same channel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 13:05 |
| S26 | 74 | (signal near3 rout\$3 near3 device) same (pld or fpga or cpld) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 13:06 |

EAST Search History

| | | | | | | |
|-----|-------|--|---|----|----|------------------|
| S27 | 20299 | (signal adj rout\$3 adh device) same (pld or fpga or cpld) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 13:06 |
| S28 | 2 | (signal adj rout\$3 adj device) same (pld or fpga or cpld) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/22 16:02 |
| S29 | 1 | ((pld or fpga or cpld) near3 (component or cell or element or device or asic)) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3) same ("i/o" or (input adj output) or pin or ball or column or matrix) and ("716"/\$ "174"/\$ "29"/\$). ccls. and kida.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 10:01 |
| S30 | 30 | ("5006820" "5281151" "5451721" "5544018" "5686764" "6194668" "6198635" "6271478" "6310398" "6335493" "6388890" "6407343" "6452262" "6521846" "6545876").pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/21 13:48 |
| S31 | 1 | "6087732".PN. | USPAT; USOCR | OR | ON | 2006/02/21 14:31 |
| S32 | 1 | "6225702".PN. | USPAT; USOCR | OR | ON | 2006/02/21 14:32 |
| S33 | 153 | (pld or fpga or cpld) same (component or cell or element or device) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) and rout\$3 and layer and footprint | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/22 16:05 |
| S34 | 3 | (signal adj rout\$3 adj device) and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/22 16:02 |
| S35 | 6 | (pld or fpga or cpld) same (component or cell or element or device) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) same footprint and rout\$3 and layer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/22 16:13 |

EAST Search History

| | | | | | | |
|-----|----|---|---|----|----|------------------|
| S36 | 71 | (pld or fpga or cpld) with (component or cell or element or device) with (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) and footprint and rout\$3 and layer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/22 16:16 |
| S37 | 58 | (pld or fpga or cpld) with (component or cell or element or device) with (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) and trac\$3 and footprint and rout\$3 and layer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/22 16:18 |
| S38 | 13 | (pld or fpga or cpld) with (component or cell or element or device) with (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) and trac\$3 and footprint and rout\$3 and layer and ("716"/\$.ccls. "257"/\$.ccls. "438"/\$.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 08:53 |
| S39 | 0 | (pld or fpga or cpld) with (component or cell or element or device) with (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) with (breakout or breakingout or (break\$3 adj out)) and trac\$3 and footprint and rout\$3 and layer and ("716"/\$.ccls. "257"/\$.ccls. "438"/\$.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 08:54 |
| S40 | 0 | (pld or fpga or cpld) with (component or cell or element or device) with (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) same (breakout or breakingout or (break\$3 adj out)) and trac\$3 and footprint and rout\$3 and layer and ("716"/\$.ccls. "257"/\$.ccls. "438"/\$.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 08:55 |
| S41 | 0 | (pld or fpga or cpld) with (component or cell or element or device) with (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) and (breakout or breakingout or (break\$3 adj out)) and trac\$3 and footprint and rout\$3 and layer and ("716"/\$.ccls. "257"/\$.ccls. "438"/\$.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 08:57 |

EAST Search History

| | | | | | | |
|-----|----|--|---|----|----|------------------|
| S42 | 0 | (pld or fpga or cpld) same (component or cell or element or device) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) and (breakout or breakingout or (break\$3 adj out)) and trac\$3 and footprint and rout\$3 and layer and ("716"/\$.ccls. "257"/\$.ccls. "438"/\$.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 08:57 |
| S43 | 59 | (pld or fpga or cpld) same (component or cell or element or device) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) and (breakout or breakingout or (break\$3 adj out)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 08:58 |
| S44 | 25 | (pld or fpga or cpld) same (component or cell or element or device) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) and (breakout or breakingout or (break\$3 adj out)) and layer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:13 |
| S45 | 1 | (pld or fpga or cpld) same (component or cell or element or device) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) and (breakout or breakingout or (break\$3 adj out)) and layer and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:07 |
| S46 | 0 | (pld or fpga or cpld) same (component or cell or element or device) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) and ((breakout or breakingout or (break\$3 adj out)) near3 trac\$3) and layer and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:06 |
| S47 | 0 | (pld or fpga or cpld) same (component or cell or element or device) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) and ((breakout or breakingout or (break\$3 adj out)) near3 trac\$3) and layer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 09:06 |

EAST Search History

| | | | | | | |
|-----|---------|--|---|----|----|------------------|
| S48 | 6182119 | (TECHNIQUE FOR ACCOMMODATING ELECTRONIC COMPONENTS ON A MULTILAYER SIGNAL ROUTING DEVICE).ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 10:02 |
| S49 | 0 | (TECHNIQUE adj FOR adj ACCOMMODATING adj ELECTRONIC adj COMPONENTS adj ON adj A adj MULTILAYER adj SIGNAL adj ROUTING adj DEVICE).ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 10:03 |
| S50 | 28 | (SIGNAL adj ROUTING adj DEVICE).ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 10:10 |
| S51 | 2367052 | WO 2004/047508.ptpn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 10:10 |
| S52 | 0 | WO2004/047508.ptpn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 10:11 |
| S53 | 0 | WO04/047508.ptpn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 10:11 |
| S54 | 0 | WO04/47508.ptpn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 10:11 |
| S55 | 1012 | (pld or fpga or cpld) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) and (breakout or breakingout or (break\$3 adj out) or break\$3) and layer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:14 |
| S56 | 131 | (pld or fpga or cpld) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) and (breakout or breakingout or (break\$3 adj out) or break\$3) same channel and layer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:15 |

EAST Search History

| | | | | | | |
|-----|------|---|---|----|----|------------------|
| S57 | 2 | (pld or fpga or cpld) same (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) and (breakout or breakingout or (break\$3 adj out) or break\$3) same channel same trac\$3 and layer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 14:22 |
| S58 | 1588 | pcb with (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) same channel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:28 |
| S59 | 0 | pcb with (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) same channel same trac43 same assign\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:28 |
| S60 | 0 | pcb with (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) same channel same trac43 and (assign\$3 or map\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:29 |
| S61 | 542 | pcb with (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) same trac\$3 and (assign\$3 or map\$4) and channel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:30 |
| S62 | 100 | pcb with (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) same trac\$3 and (assign\$3 or map\$4) and channel and (PLD or FPGA or CPLD) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:30 |
| S63 | 8 | pcb with (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) same trac\$3 same channel and (assign\$3 or map\$4) and (PLD or FPGA or CPLD) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:33 |
| S64 | 81 | pcb with (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) same trac\$3 same channel and (assign\$3 or map\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 12:13 |
| S65 | 5720 | (pattern with electrically with conductive trac\$3) with pcb | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:45 |

EAST Search History

| | | | | | | |
|-----|-----|---|---|----|----|------------------|
| S66 | 20 | pattern with electrically with conductive with trac\$3 with pcb | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:47 |
| S67 | 0 | pattern with electrically with conductive with trac\$3 with pcb same channel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:47 |
| S68 | 3 | pattern with electrically with conductive with trac\$3 with pcb and channel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 11:47 |
| S69 | 45 | pcb with (contact\$3 or conduct\$3 or lead\$3 or connect\$3 or interconnect\$3 or "i/o" or (input adj output) or pin or ball or column) with channel same trac\$3 and (assign\$3 or map\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 12:14 |
| S70 | 0 | (pin near3 assign\$4) with (PCB or (signal adj routing adj device)) same trac\$3 same channel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 14:00 |
| S71 | 0 | (pin near3 (assign\$4 or map)) with (PCB or (signal adj routing adj device)) same trac\$3 same channel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 14:00 |
| S72 | 2 | (pin near3 (assign\$4 or map)) same (PCB or (signal adj routing adj device)) same trac\$3 same channel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 14:04 |
| S73 | 5 | (pin near3 (assign\$4 or map)) same (PCB or (signal adj routing adj device)) same trac\$3 and channel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 14:04 |
| S74 | 368 | (pld or fpga or cpld) same (pcb or (signal adj routing adj device)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 09:32 |
| S75 | 190 | (pld or fpga or cpld) with (pcb or (signal adj routing adj device)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 14:23 |

EAST Search History

| | | | | | | |
|-----|----|---|---|----|----|------------------|
| S76 | 56 | (pld or fpga or cpld) with (pcb or (signal adj routing adj device)) and layer and channel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/24 10:29 |
| S78 | 7 | (pld or fpga or cpld) with (pcb or (signal adj routing adj device)) and layer and channel and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/24 10:30 |
| S79 | 7 | (pld or fpga or cpld) with (pcb or (signal adj routing adj device)) and layer and channel and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/24 10:41 |
| S80 | 2 | (pld or fpga or cpld) same (pcb or (signal adj routing adj device)) and layer and (channel with rout\$3) and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/24 10:49 |
| S81 | 24 | (pld or fpga or cpld) same layer and (channel with rout\$3) and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/24 11:56 |
| S82 | 25 | (pld or fpga or cpld or (programmable adj device)) same layer and (channel with rout\$3) and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/24 11:58 |
| S83 | 2 | (pld or fpga or cpld or (programmable adj device)) same layer and (channel with rout\$3) and "716"/\$.ccls. and @pd <"20000619" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/24 12:19 |
| S84 | 1 | (pld or fpga or cpld or (programmable adj device)) same (channel with rout\$3) and layer and "716"/\$.ccls. and @pd <"20000619" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/24 12:55 |
| S85 | 8 | (pld or fpga or cpld or (programmable adj device)) near3 (channel with rout\$3) and @pd <"20000619" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/24 13:04 |
| S86 | 7 | (pld or fpga or cpld or (programmable adj device)) near3 (channel near3 rout\$3) and @pd <"20000619" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/24 12:55 |

EAST Search History

| | | | | | | |
|-----|-----|--|---|----|----|------------------|
| S87 | 132 | (pld or fpga or cpld or (programmable adj device)) same (connect\$3 or interconnect\$3 or coupl\$3 or attach\$3 or bond\$3 or join\$3) and (channel with rout\$3) and @pd <"20000619" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/24 13:05 |
| S88 | 202 | (pld or fpga or cpld or (programmable adj device)) same (connect\$3 or interconnect\$3 or coupl\$3 or attach\$3 or bond\$3 or join\$3) and (channel with rout\$3) and @pd <"20000619" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/24 13:06 |
| S89 | 13 | (pld or fpga or cpld or (programmable adj device)) same (connect\$3 or interconnect\$3 or coupl\$3 or attach\$3 or bond\$3 or join\$3) and (channel with rout\$3) and @pd <"20000619" and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/24 13:36 |
| S90 | 0 | (pld or fpga or cpld or (programmable adj device)) same (assign\$3 near3 (pin or contact or input or output or i/o)) same (channel with rout\$3) and @pd <"20000619" and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/24 13:37 |
| S91 | 2 | (pld or fpga or cpld or (programmable adj device)) same (assign\$3 or assignment or map\$3) same (pin or contact or input or output or i/o) same (channel with rout\$3) and @pd <"20000619" and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/24 13:38 |
| S92 | 2 | ((pld or fpga or cpld) with (pcb or (signal adj routing adj device))) and channel and (pattern near3 trac\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 09:37 |
| S93 | 16 | ((pld or fpga or cpld) with (pcb or (signal adj routing adj device))) and channel and ((pattern near3 trac\$3) or (pin near3 assign\$5)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 09:37 |
| S94 | 23 | ((pld or fpga or cpld) with (pcb or (signal adj routing adj device))) and channel and ((pattern near3 trac\$3) or (pin near3 (assign\$5 or map\$3))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 09:48 |
| S95 | 31 | ((pld or fpga or cpld) same (pcb or (signal adj routing adj device))) and channel and ((pattern near3 trac\$3) or (pin near3 (assign\$5 or map\$3))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 09:48 |

EAST Search History

| | | | | | | |
|----------|-----|---|---|----|----|------------------|
| S96 | 69 | ((pld or fpga or cpld) near3 (pcb or (signal adj routing adj device))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 09:49 |
| S97 | 30 | ((pld or fpga or cpld) near3 (pcb or (signal adj routing adj device))) and channel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 09:49 |
| S98 | 14 | (signal adj routing adj device) with channel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 10:04 |
| S99 | 0 | (signal adj routing adj device) with channel and (pld or fpga or cpld or (programmable near3 device)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 10:05 |
| S10 0 | 109 | ((signal adj routing adj device) or pcb) with channel and (pld or fpga or cpld or (programmable near3 device)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 10:05 |
| S10 1 | 3 | ((signal adj routing adj device) or pcb) with channel with (pld or fpga or cpld or (programmable near3 device)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 10:19 |
| S10 2 | 19 | ((signal adj routing adj device) or pcb) with (pld or fpga or cpld or (programmable near3 device)) and channel and pattern and ((pin or i/o or contact or ball or column or input or output or input/output) near3 (assign\$5 or mapr)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 10:21 |
| S10 3 | 19 | ((signal adj routing adj device) or pcb) with (pld or fpga or cpld or (programmable near3 device)) and channel and pattern and ((pin or i/o or contact or ball or column or input or output or input/output) near3 (assign\$5 or mapr)) and trac\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 11:55 |

EAST Search History

| | | | | | | |
|----------|-----|--|---|----|----|------------------|
| S10 4 | 2 | ((signal adj routing adj device) or pcb) with (pld or fpga or cpld or (programmable near3 device)) and channel and pattern and ((pin or i/o or contact or ball or column or input or output or input/output) near3 (assign\$5 or map\$3) near3 program\$4) and trac\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 14:48 |
| S10 5 | 1 | lie.in. and pld and pcb and rout\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 14:50 |
| S10 6 | 1 | lie.in. and pld and ((pin or contact or i/o or terminal) near3 (map\$3 or assign\$5)) and rout\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 14:51 |
| S10 7 | 1 | lie.in. and pld and ((pin or contact or i/o or terminal) near3 (map\$3 or assign\$5)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 14:52 |
| S10 8 | 4 | lie.in. and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 15:00 |
| S10 9 | 1 | "20030014620".PN. | US-PGPUB | OR | ON | 2006/05/25 14:57 |
| S11 0 | 1 | "6763506".PN. | USPAT; USOCR | OR | ON | 2006/05/25 14:58 |
| S11 1 | 1 | "20020015401".PN. | US-PGPUB | OR | ON | 2006/05/25 14:59 |
| S11 2 | 134 | (pld or fpga or cpld) and pcb and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 15:00 |
| S11 3 | 14 | ((pld or fpga or cpld) same (contact or pin or terminal or i/o or input or output) near3 (map\$3 or assign\$5)) and pcb and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 15:03 |
| S11 4 | 0 | ((pld or fpga or cpld) same (contact or pin or terminal or i/o or input or output) near3 (map\$3 or assign\$5)) and (conductive near3 trace) and pcb and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 15:03 |

EAST Search History

| | | | | | | |
|----------|---|---|---|----|----|------------------|
| S11 5 | 5 | ((pld or fpga or cpld) same (contact or pin or terminal or i/o or input or output) near3 (map\$3 or assign\$5)) and trace\$3 and pcb and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 15:04 |
| S11 6 | 5 | ((pld or fpga or cpld) same (contact or pin or terminal or i/o or input or output) near3 (map\$3 or assign\$5)) and trac\$3 and pcb and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/25 15:39 |
| S11 7 | 6 | ((pld or fpga or cpld) same (contact or pin or terminal or i/o or input or output) near3 (map\$3 or assign\$5)) and (trac\$3 or channel) and pcb and "716"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/30 08:41 |